Amendments To The Specification

Please amend the specification by making the following amendments:

Please substitute the following for the first full paragraph on Page 1 under the heading "Description of the Related Art":

In both vehicles, both automotive and aircraft, and in various facilities, interior and exterior illumination has become increasingly important. However, in many cases, such as with vehicles, exterior illumination, especially exterior indicators like brake lights, are not visible to the operator or passengers. Also, in some cases, such as with amusement parks, there may be thousands upon thousands of lights used for illumination and for safety. In either case, it can be difficult, time consuming, or both to determine the status of the light or lamp.

Please substitute the following for the second paragraph on Page 1 under the heading "Description of the Related Art":

Typically, certain electronics to measure the status of the lights or lamps are used. These measurement electronics operate in a variety of manners[[.]], such as, for[[For]] example, measuring the resistance of the illumination device. The measurement electronics essentially interpret the state of the illumination device and report the state of the illumination device to a display.

Please substitute the following for the first full paragraph on Page 5:

There are a variety of connections that exist in order [[to]]for the illumination system 100 to operate. The first lamp 122 is coupled to the display 130 through a first optical fiber 132. The

second lamp 124 is coupled to the display 130 through a second optical fiber 134. The third lamp 126 is coupled to the display 130 through a third optical fiber 136. The fourth lamp 128 is coupled to the display 130 through a fourth optical fiber 138. There are a number of [[a]]optical fibers that can be utilized at a variety of diameters. Moreover, there can be multiple optical fibers or a single optical fiber, as shown in FIGURE 1, coupled to each lamp.

Please substitute the following for the second full paragraph on Page 5:

Referring to FIGURE 2 of the drawings, the reference numeral 200 generally designates a block diagram of a lamp equipped with a remote optical monitor. The lamp 200 comprises a reflector 210, electrical cables 214, an illumination element 212, an optical port 216, and an optical fiber 218.

Please substitute the following for the second full paragraph on Page 6:

Referring to FIGURE 3 of the drawings, the reference numeral 300 generally designates a block diagram of a facility utilizing remote optical monitoring. The facility 300 comprises a first light 302, a second light 304, a third light 306, a fourth light 308, a fifth light 310, a sixth light 312, a seventh light 314, an eighth light 316, a ninth light 318, a tenth light 320, an eleventh light 322, a twelfth light 324, a thirteenth light 326, a fourteenth light 328, a fifteenth light 330, sixteenth light 332, a seventeenth light 334, an eighteenth light 336, a nineteenth light 338, a twentieth light 340, a twenty-first light 342, a twenty-second light 344, a twenty-third light 346, a twenty-fourth light 348, and a display 350.

Please substitute the following for the first paragraph beginning on Page 7:

In order for the remote optical monitoring system to operate, light should be coupled to the display. The first light 302 is coupled to the display 350 through a first optical fiber 301. The second light 304 is coupled to the display 350 through a second optical fiber 303. The third light 306 is coupled to the display 350 through a third optical fiber 305. The fourth light 308 is coupled to the display 350 through a fourth optical fiber 307. The fifth light 310 is coupled to the display 350 through a fifth optical fiber 309. The sixth light 312 is coupled to the display 350 through a sixth optical fiber 311. The seventh light 314 is coupled to the display 350 through a seventh optical fiber 313. The eighth light 316 is coupled to the display 350 through an eighth optical fiber 315. The ninth light 318 is coupled to the display 350 through a ninth optical fiber 317. The tenth light 320 is coupled to the display 350 through a tenth optical fiber 319. The eleventh light 322 is coupled to the display 350 through an eleventh optical fiber 321. The twelfth light 324 is coupled to the display 350 through a twelfth optical fiber 323. The thirteenth light 326 is coupled to the display 350 through a thirteenth optical fiber 325. The fourteenth light 328 is coupled to the display 350 through a fourteenth optical fiber 327. The fifteenth light 330 is coupled to the display 350 through a fifteenth optical fiber 329. The sixteenth light 332 is coupled to the display 350 through a sixteenth optical fiber 331. The seventeenth light 334 is coupled to the display 350 through a seventeenth optical fiber 333. The eighteenth light 336 is coupled to the display 350 through an eighteenth optical fiber 335. The nineteenth light 338 is coupled to the display 350 through a nineteenth optical fiber 337. The twentieth light 340 is coupled to the display 350 through a twentieth optical fiber 339[[, a]]. The twenty-first light 342 is coupled to the display 350 through a twenty-first optical fiber 341. The twenty-second light 344 is coupled to the display 350 through a twenty-second optical fiber 343. The twenty-third light 346 is coupled to the display 350 through a

twenty-third optical fiber 345. The twenty-fourth light 348 is coupled to the display 350 through a twenty-fourth optical fiber 347[[301]].

Please substitute the following for the first paragraph beginning on Page 8:

Also, there are a variety of configurations that can be utilized with a facility, such as the facility 300 of FIGURE 3. There are a number of [[a]]optical fibers that can be utilized at a variety of diameters. Moreover, there can be multiple optical fibers or a single optical fiber, as shown in FIG. 3, coupled to each light[[lamp]]. There can be a single light or multiple lights, as shown in FIG. 3. The lights can also be of a variety of types and configurations, such as an overhead 40-watt incandescent bulb. The type of facility can also be one or more of a variety of facilities, such as a factory or an amusement park.

Please substitute the following for the first full paragraph beginning on Page 9:

Referring to FIGURE 4 of the drawings, the reference numeral 400 generally designates a block diagram depicting a direct display of a remote optical monitoring system. The direct display 400 comprises a first indicator 406, a second indicator 408, a third indicator 410, a fourth indicator 412, a fifth indicator 414, a sixth indicator 416, a seventh indicator 418, and an optical fiber 402.

Please substitute the following for the second paragraph beginning on Page 9:

The operation of the direct display 400 can be the least complex display utilizing[[by a]] remote optical monitoring. For each lamp on a given vehicle or facility, there is a corresponding optical fiber, such as optical fiber 402. The display pictorially shows the location of each lamp or illumination device. For each lamp or illumination device, there is an indicator on the display, such

as the first indicator 406, a second indicator 408, a third indicator 410, a fourth indicator 412, a fifth indicator 414, a sixth indicator 416 and a seventh indicator 418. The fiber from each corresponding lamp directly couples to the indicator on the display, such as the optical fiber 402 coupling to the first indicator 406. Light 404 is [[it]]then emitted from the fiber 402[[404]] directly to[[from]] the first indicator 406. There are a variety of manners to couple a fiber to an indicator, such as a lens. There can also be multiple or a single optical fiber, as shown in FIGURE 4 for each indicator.

Please substitute the following for the first full paragraph beginning on Page 10:

Referring to FIGURE 5 of the drawings, the reference numeral 500 generally designates a block diagram depicting an[[a]] LED display of a remote optical monitoring system. The LED display 500 comprises a first optical fiber 504, a second optical fiber 506, a third optical fiber 508, a first optical sensor 510, a second optical sensor 512, a third optical sensor 514, a controller 502, a first LED 516, a second LED 518, and a third LED 520. There should be at least one sensor, at least one LED, and at least one optical fiber for each illumination device or lamp that is monitored by the remote optical monitoring system.

Please substitute the following for the first full paragraph beginning on Page 11:

Based on the signal that the controller receives from the optical sensor, there are a variety of outputs that the controller can produce. Based on color, intensity, and so forth, the controller can vary the output signal to the display. For example, if the illumination device is dual beam, then the controller can relay the intensity to the LEDs. Also, the LEDs can be replaced with a variety of other display devices such as a Liquid Crystal Display (LCD) shown in FIG. 5 to graphically display or provide a textual report of the status of the illumination device. The controller can also

be equipped with a variety of other devices to draw attention to the display such as, for example, an[[a]] audio prompt. ~~Also, The controller~~

Please substitute the following for the second paragraph beginning on Page 11:

In order for the LED display to operate, the optical fibers should be coupled to the optical sensors. The first optical fiber 504 is optically coupled to the first optical sensor 510. The second optical fiber 506 is optically coupled to the second optical sensor 512. The third optical fiber 508 is optically coupled to the third optical sensor 514. Also, the optical fiber or fibers can be coupled to the optical sensor or sensors through a variety of ways[[way]], such as a lens. The optical fiber can be coupled to multiple optical sensors or to a single optical sensor, as shown in FIGURE 5. Multiple optical fibers or a single optical fiber, as shown in FIG. 5, can be coupled to an optical sensor. Also, there can be a single optical sensor or multiple optical sensors, as shown in FIG.5. Multiple optical sensors, as shown in FIG.5, can be individually placed or placed into an array wherein optical fibers can be coupled thereto.